

TOWN OF FARMVILLE
WASTEWATER TREATMENT FACILITY

ANNUAL PERFORMANCE REPORT

For the Calendar Year 2009

prepared: February 2010

2009 Annual Performance Report
for the
Town of Farmville
Wastewater Treatment Facility

I. General Information

Facility/System Name: Town of Farmville Wastewater Treatment Plant

Responsible Entity: Town of Farmville

Person in Charge/Contact: Richard Hicks
Town Manager
PO Box 86
Farmville, NC 27828
(252) 753-5774

Description of Collection System or Treatment Process:

The Town of Farmville, North Carolina owns and operates a 3.5 MGD design capacity wastewater treatment plant (WWTP) that treats a combination of domestic and industrial wastewaters. Approximately sixty percent of the influent wastewater's are from industrial sources. The wastewater treatment plant is a two stage activated sludge system, consisting of a mechanical and manually cleaned bar rack, influent pumping facilities, followed by a grit removal system, aeration basin with a high speed mechanical aerators, rectangular secondary clarifiers, tertiary filters (presently not in use), and chlorination and dechlorination facilities followed by post aeration. Aerobic digestion is provided to biologically stabilize the excess sludge. The stabilized liquid sludge may be dewatered on sand drying beds, or land applied in liquid or dry form to approved application sites. The Town has recently completed a plant upgrade which includes a new chlorination and dechlorination system, new influent pumps, mechanical bar screen and piping modifications to add flexibility to the existing flow scheme.

II. Compliance Performance

The North Carolina Department of Environment and Natural Resources (NCDENR) regulates the Town of Farmville effluent discharge under the National Pollutant Discharge Elimination System (NPDES). The NCDENR issued to the Town a NPDES Permit, which includes water quality limits and sampling and monitoring requirements. The NPDES Permit requires the Town to test more than 24 different constituents in the treated water. The monitoring frequency for these constituents are set at various intervals such as continuous, daily, weekly, monthly, and quarterly. During the reporting period, the Town conducted 4,432 tests of the treated water before it was discharged to the creek. The WWTP achieved a compliance level of 100% with the NPDES Permit requirements.

Following is a summary of the testing for the parameters, which are, assigned Water Quality standards by the NPDES Permit. Please note the summary does not include parameters, which incorporates a monitoring requirement only, nor does it include daily process control testing.

Constituent	Number of Test Required	Number of Test Conducted*
Flow	Continuous	Continuous
Biochemical Oxygen Demand (BOD)	520	506*
Total Suspended Solids (TSS)	520	506*
Ammonia	260	255*
Fecal Coliform	260	255*
Chlorine	156	162
Total Nitrogen	52	54
Total Phosphorus	52	54
Conductivity	260	365
Cadmium	52	54
Chromium	52	54
Mercury	52	54
Copper	24	26
Zinc	24	26
Silver	24	26
Chlorides	24	26
Toxicity	4	4

*Testing is not required on holidays or during inclement weather.

In addition to the required testing, the Town conducted over 2,496 in-house test to ensure the proper operation of the wastewater treatment plant.

Following is a summary of permit violations, which occurred during the year:

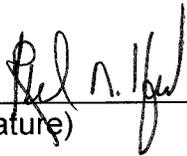
There were no permit violations throughout the reporting period.

III. Certification

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information.

Signed this 2nd day of February, 2010.

Richard Hicks
(Name) Town Manager


(Signature)

Town of Farmville Sewer System Overflows
2009

The Town of Farmville had two sewer system overflows for the year 2009. They are described as follows:

1. On November 12, 2009, heavy rainfall resulted in the overflow of approximately 6-8,000 gallons of wastewater from manholes in a field off of Moye-Turnage Road.
2. On December 9, 2009, heavy rains again resulted in the overflow of approximately 21,600 gallons of wastewater from a manhole at the end of Duke Drive and manholes in a field off of Moye-Turnage Road.

Both spills were reported to the regional office of the Division of Water Quality. Additional information is available by calling Richard N. Hicks, the Town Manager at (252)753-6700.